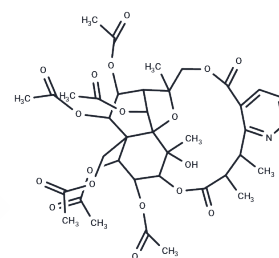


Euonymine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 33458-82-1 |
| Formula: | C ₃₈ H ₄₇ N ₁ O ₁₈ |
| Molecular Weight: | 805.783 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|----------------------------|---|
| Description | Evonine shows insecticidal activity against <i>Mythimna separata</i> , the LC ₅₀ value of 23.23 mg /mL. |
| Targets(IC ₅₀) | Others |
| In vitro | Their chemical structures were elucidated as Evonine(A), 1-deacetyl-1-benzoylEvonine (B), ebenifoline E-IV(C) and mayteine(D) by mp, ¹ H and ¹³ C NMR. Their LC ₅₀ values against <i>Mythimna separata</i> were 23.23, 5.44, 5.25 and 4.66 mg·mL ⁻¹ , respectively. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.241 mL | 6.2052 mL | 12.4103 mL |
| 5 mM | 0.2482 mL | 1.241 mL | 2.4821 mL |
| 10 mM | 0.1241 mL | 0.6205 mL | 1.241 mL |
| 50 mM | 0.0248 mL | 0.1241 mL | 0.2482 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sesquiterpene pyridine alkaloids from *Euonymus japonicus* and their insecticidal activity *Acta Botanica Boreali-Occidentalia Sinica*, 2007, 27 (5) :983-988.

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